

Green Ridge Public Info Meeting

- 5:30 p.m.** Open house organized by issue/representative:
- Permitting (Virginia Water Protection Permit & Solid Waste Permit)
 - Traffic & roads
 - Historic resources
 - Environmental justice
 - Drinking water & health
 - Green Ridge Recycling & Disposal Facility, LLC
- 6:00 p.m.** Welcome and introductions
- 6:10 p.m.** Presentations on permitting processes
- 7:00 p.m.** Questions & answers with agency experts
- 7:55 p.m.** Close





Green Ridge Public Info Meeting

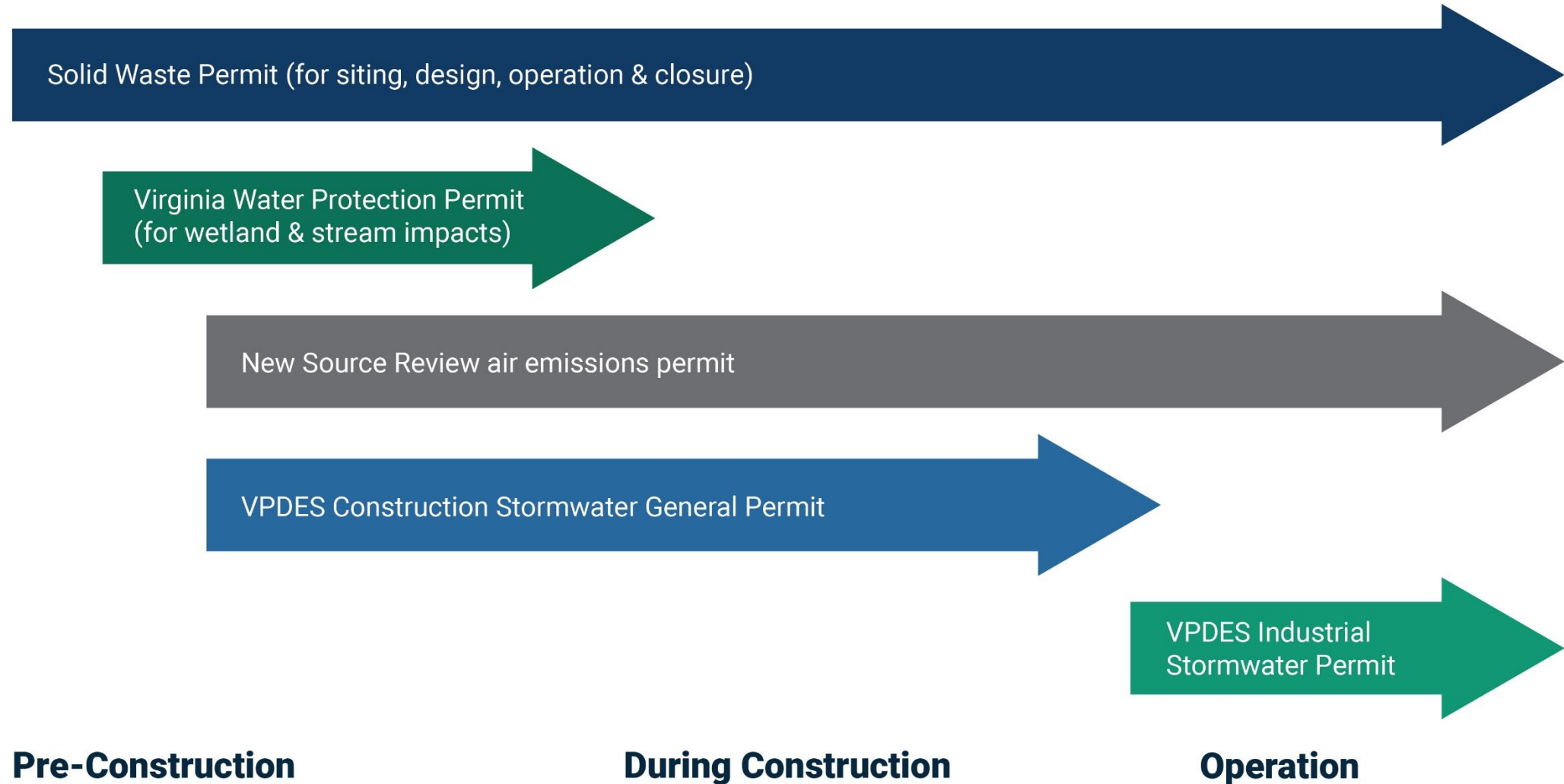
March 24, 2022

Renee Hoyos

Director of Environmental Justice

Virginia Department of Environmental Quality

Permits required for Green Ridge Landfill





Solid Waste Landfill Permit Process

Green Ridge Public Info Meeting

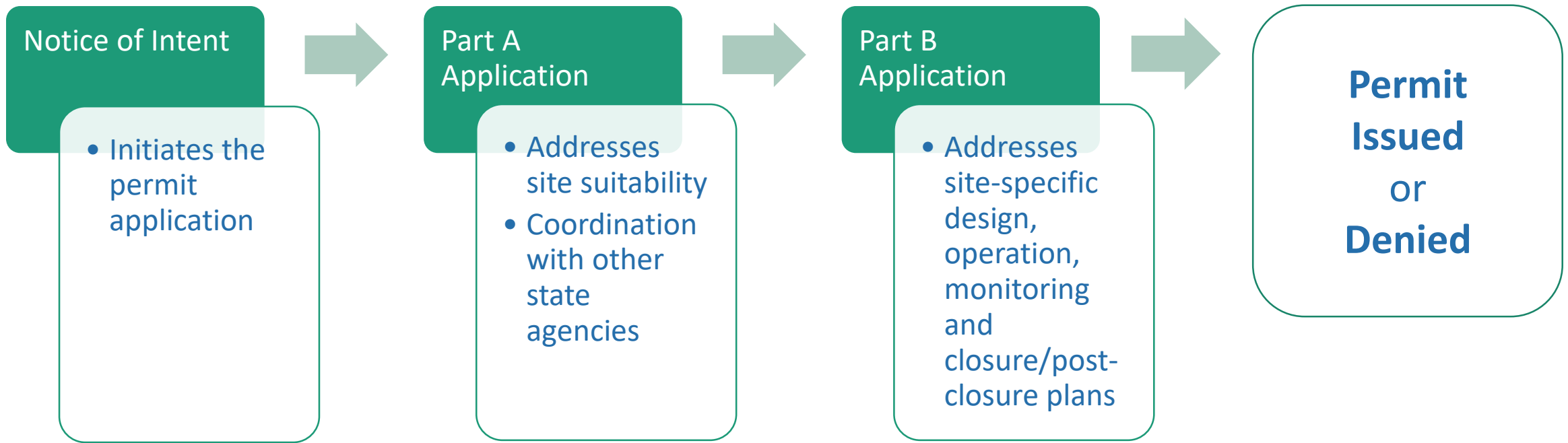
March 24, 2022

Kathryn Perszyk

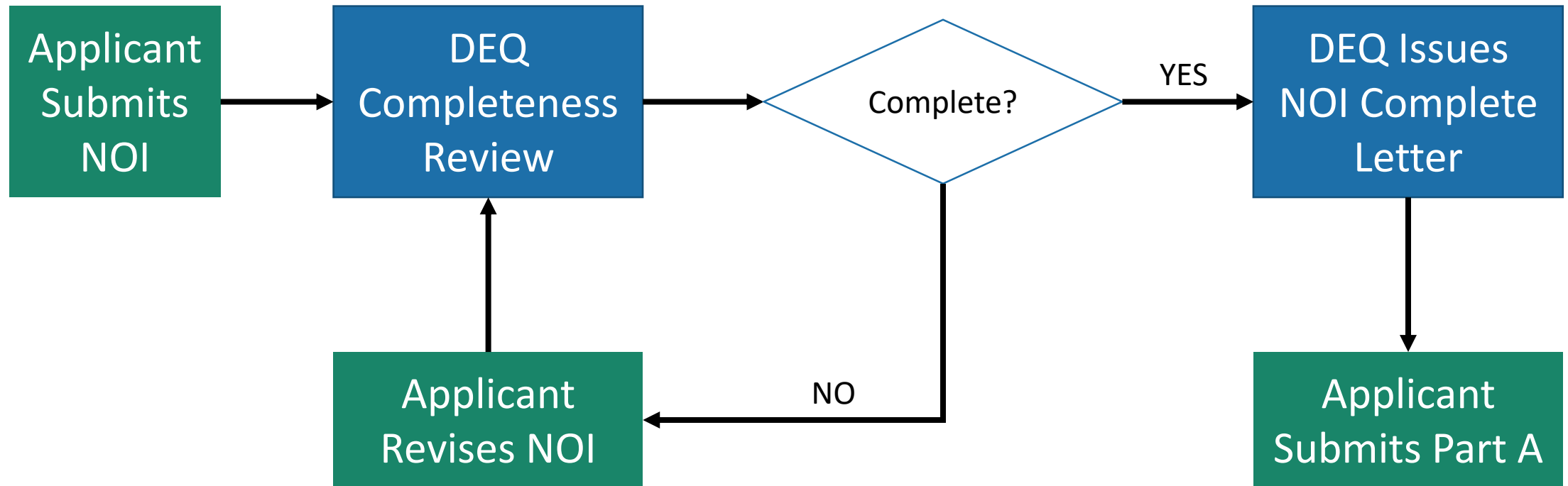
Land Protection & Revitalization Division Director

Virginia Department of Environmental Quality

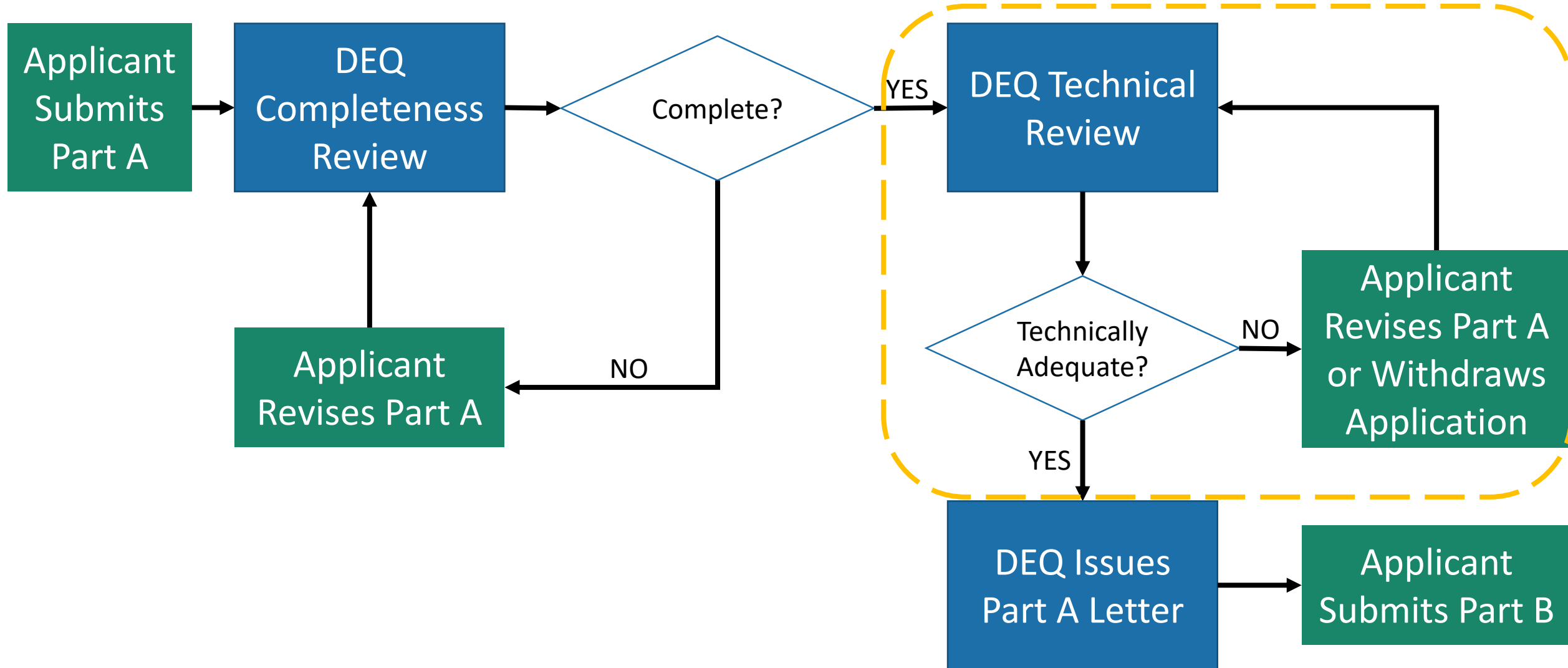
Green Ridge Solid Waste Permit application



Status of Green Ridge Application: Notice of Intent



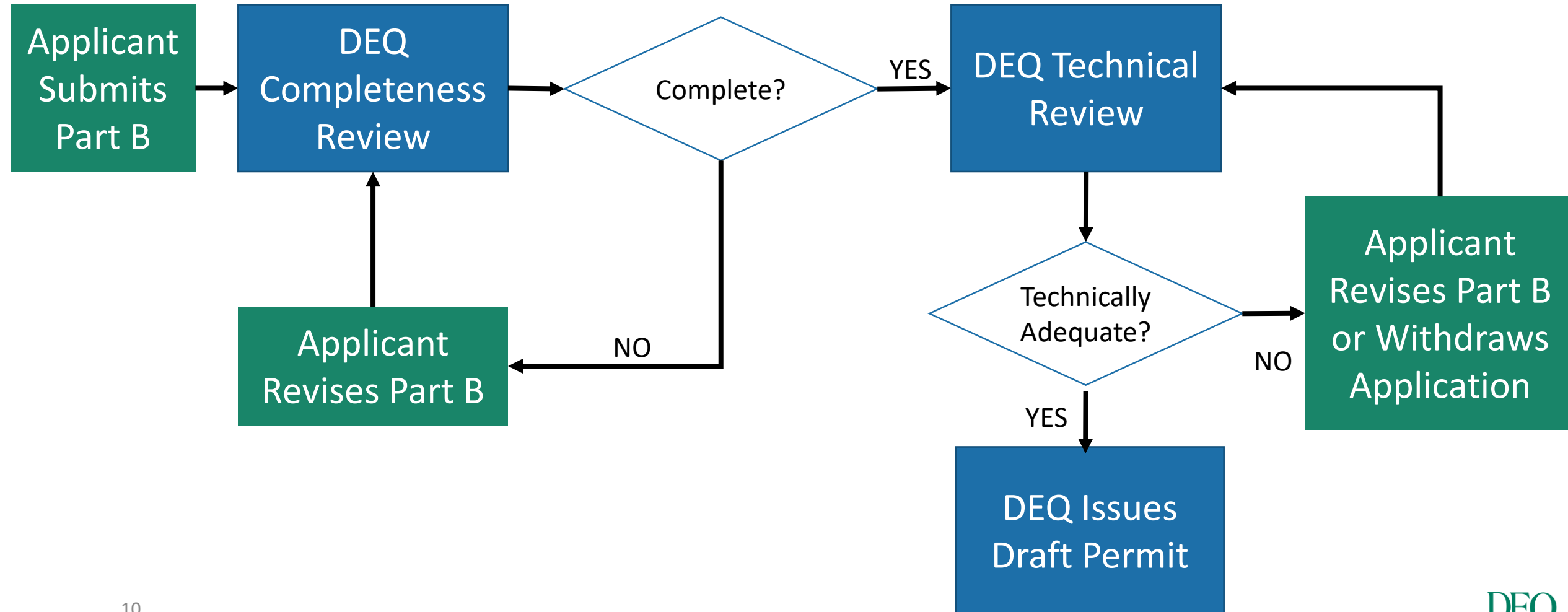
Part A Application – DEQ Processing



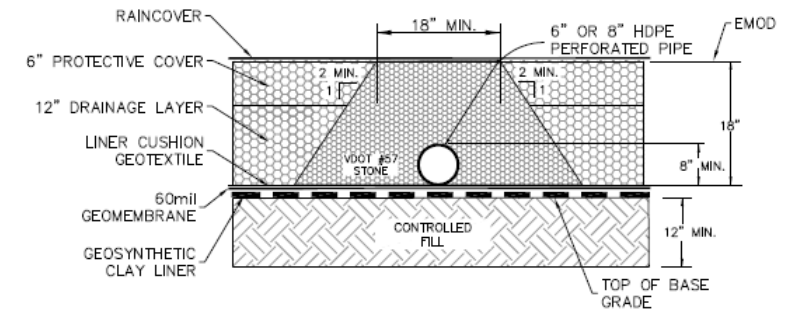
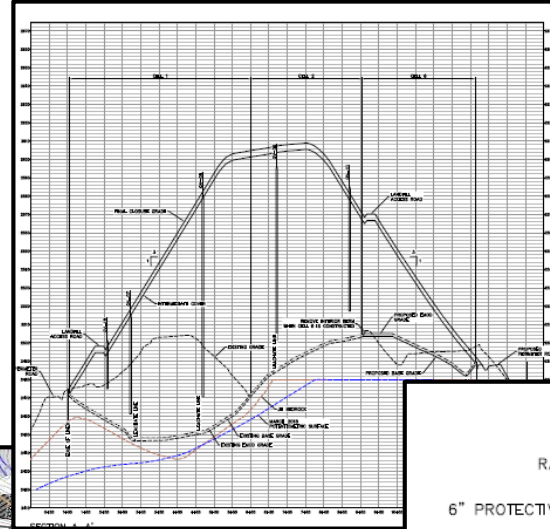
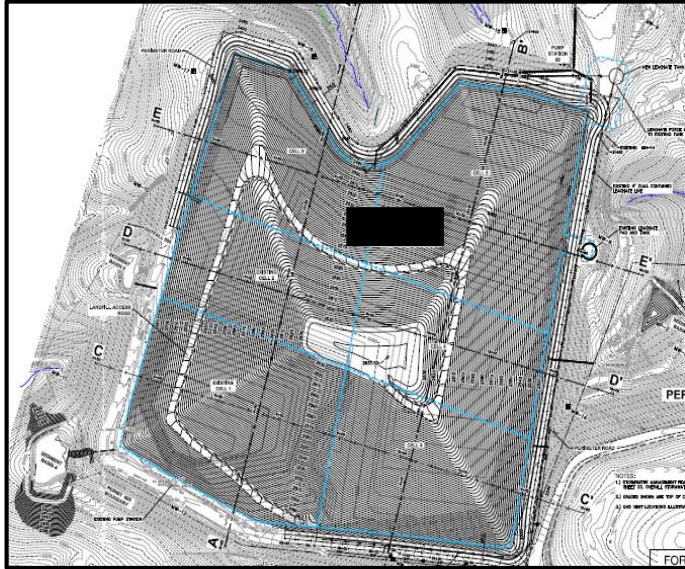
Part A determination & issuance

- The Part A determination looks at whether or not the landfill site is **suitable for the construction and operation of a landfill**
- Sets limits for landfill design
 - Site boundaries
 - Landfill elevation
 - Capacity
 - Daily disposal limit
 - Design criteria, such as seismic stability factor

Part B Application – DEQ Processing



Part B requirements – Design Plans (example)



NOTES:

1. A COMPACTED SOIL (CLAY) LINER MAY BE USED IN LIEU OF THE GCL AND CONTROLLED FILL.
2. TOP OF THE COMPACTED SOIL LINER WILL CORRESPOND TO THE TOP OF THE CONTROLLED FILL FOR PLACEMENT.

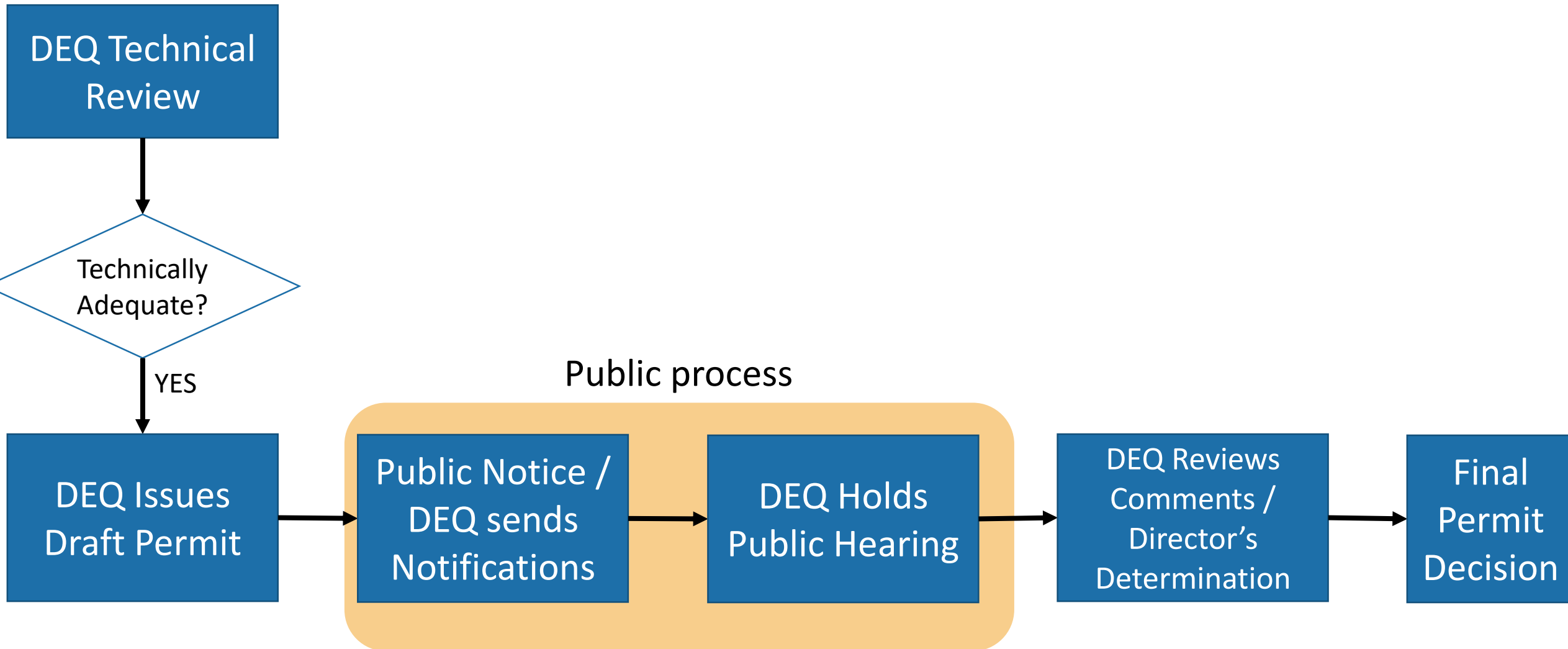
COMPOSITE LINER AND LEACHATE COLLECTOR DETAIL

NOT TO SCALE

Part B requirements - continued

- Landfill Gas Management
 - Design of gas detection and monitoring systems
 - Procedures following an exceedance
- Groundwater
 - Design of perimeter groundwater monitoring network and procedures
- Closure Plan
 - Design, implementation, and financing for final cover
 - 30 years post-closure

Part B Application – Draft Permit Steps



DEQ Director's determination



Permit
Denial

Permit
Issuance

- Protection of human health/environment
- Need for capacity
- Sufficient infrastructure
- Consistency with local or state daily disposal limits & management plans
- Public interest



Virginia Water Protection Permit Program

Green Ridge Public Info Meeting

March 24, 2022

Jaime Robb

VWP and Stormwater Manager

Virginia Department of Environmental Quality

March 24, 2022

Virginia Water Protection Permit Program

- The Virginia Water Protection (VWP) Permit Program issues permits to minimize construction impacts on streams and wetlands.
- VWP ensures no net loss of surface water function and wetland acreage and function
- Achieved when projects:
 - Avoid wetlands and streams when possible;
 - Minimize impacts to the maximum extent practicable; and
 - Mitigate for any impacts that cannot be avoided or minimized

VWP Authority

Regulated

- Dredging, excavating, filling or draining surface waters
- Blocking/damming stream flow
- Installing culverts and bridges
- Channelizing or redirecting a stream
- Other activities that cause significant alteration or degradation of wetlands and streams

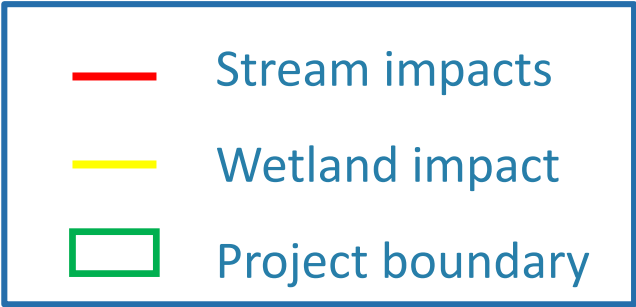
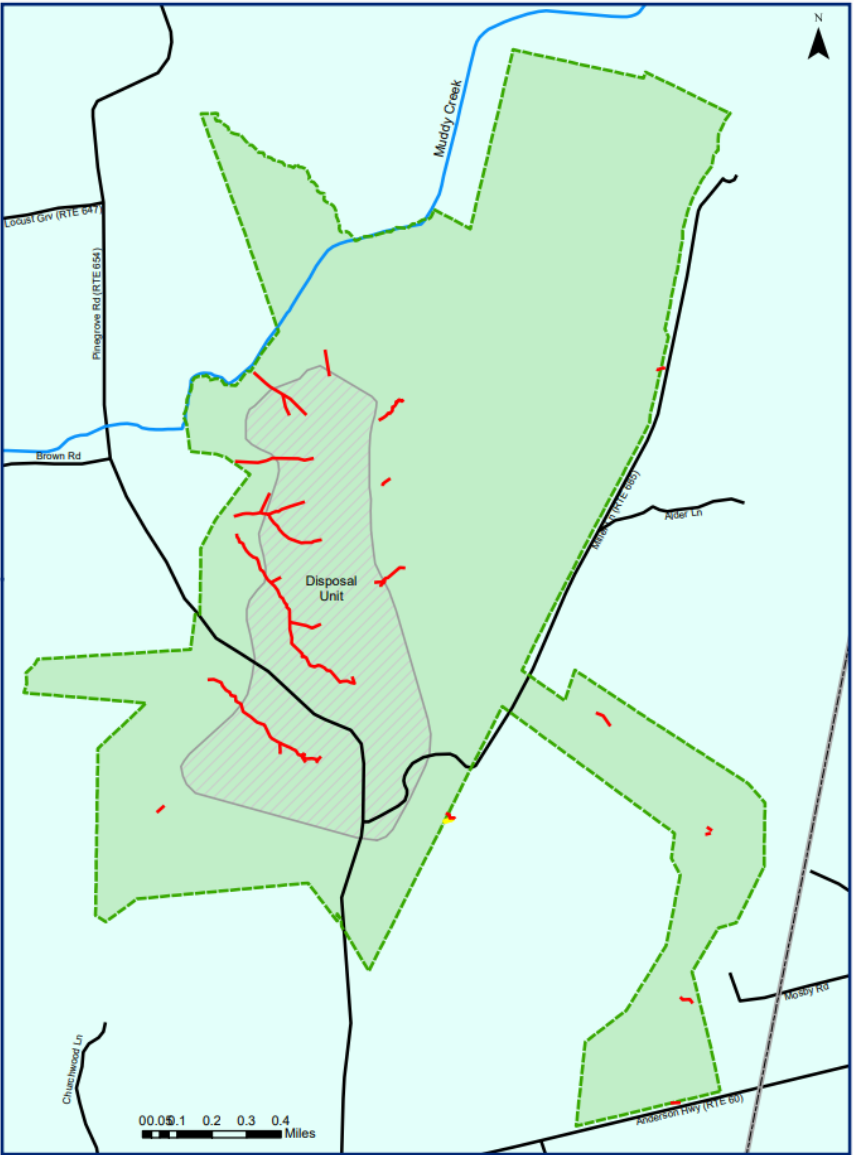
Not regulated

- Zoning
- Noise & light pollution
- Air pollution
- Solid waste requirements
- Public safety
- Traffic
- Aesthetics

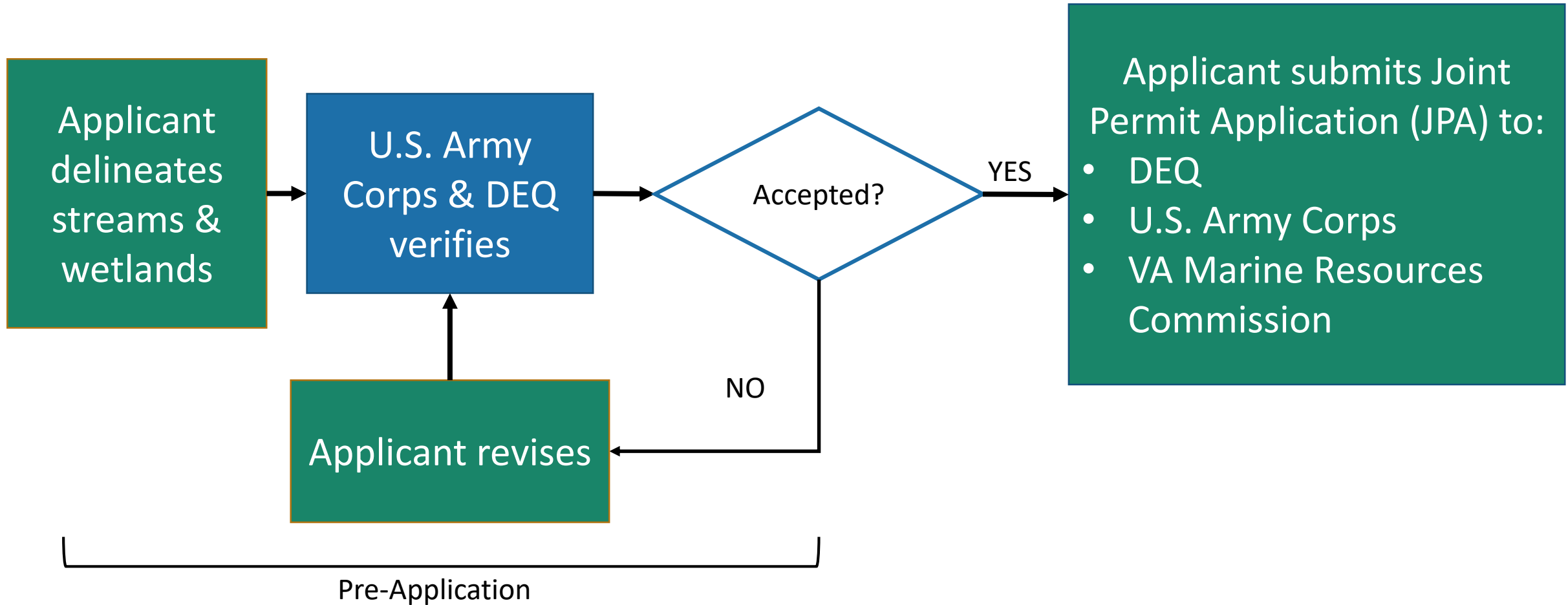
Green Ridge Recycling and Disposal Facility

- Total Site Area: 1,178 acres
- Disposal Area: 238 acres
- Proposed impacts:
 - Wetland Impacts: 0.02 acre forested wetland
 - Mitigation by purchasing wetland credits
 - Stream Impacts: approx. 12,000 linear feet of tributaries to Muddy Creek
 - Permittee responsible mitigation – stream enhancement/restoration

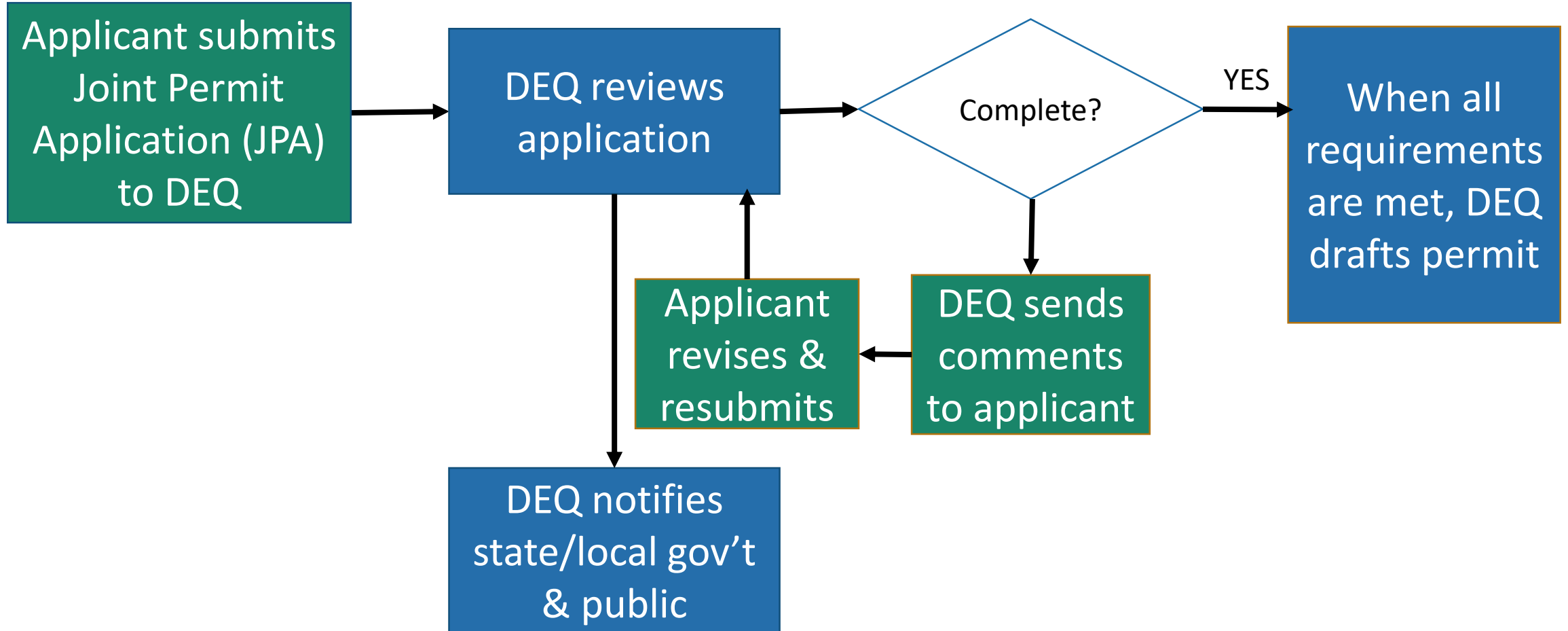
Green Ridge Landfill – Proposed Impacts



Green Ridge VWP Pre-application Process



Green Ridge VWP Application Process



Green Ridge Draft Permit & Next Steps

